

## Preprimary education enrollment

*Participating in early childhood programs such as nursery school, prekindergarten, Head Start, and kindergarten can better prepare a child to enter first grade. Many policymakers and educators believe that it is important to help children from disadvantaged backgrounds start elementary school on an equal footing with other children. Involving these students and their parents in preprimary programs beginning at earlier ages may provide them with valuable experiences that will help them start elementary school better prepared to learn.*

- Preprimary education enrollment rates for 3-, 4-, and 5-year-olds were higher in 1995 than in 1991. In 1995, 37 percent of 3-year-olds, 61 percent of 4-year-olds, and 90 percent of 5-year-olds were enrolled in preprimary education.
- In 1995, similar percentages of white and black 3- and 4-year-olds were enrolled in center-based programs and kindergarten, while their Hispanic peers were less likely to be enrolled. In both 1993 and 1995, blacks and Hispanics were more likely than whites to be enrolled in kindergarten at age 5 (see supplemental tables 1-1 and 1-2).
- In 1991, 1993, and 1995, 3- and 4-year-olds from families with incomes of more than \$50,000 were more likely to be enrolled than 3- and 4-year-olds from families with incomes of \$50,000 or less.
- There was a positive relationship between parents' educational attainment and preprimary education enrollment rates of 3- and 4-year-olds: As parents' educational attainment increased, so did the preprimary enrollment rates of their children.
- In both 1993 and 1995, preprimary education enrollment rates for children aged 3 and 4 who lived with one biological or adoptive parent were similar to those of children who lived with two biological or adoptive parents.

### Percentage of 3-, 4-, and 5-year-olds enrolled in center-based programs<sup>1</sup> and kindergarten, by selected student characteristics: 1991, 1993, and 1995

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	1991	1993	1995	1991	1993	1995	1991	1993	1995
<b>Total</b>	<b>31.4</b>	<b>34.1</b>	<b>37.4</b>	<b>52.7</b>	<b>55.3</b>	<b>60.9</b>	<b>86.4</b>	<b>90.0</b>	<b>90.3</b>
Race/ethnicity									
White	33.4	33.7	40.2	52.4	53.7	60.8	85.7	88.9	88.6
Black	31.6	41.9	41.1	57.4	62.9	68.2	92.3	93.2	93.7
Hispanic	19.8	27.2	21.2	47.5	48.9	49.0	85.3	91.4	93.4
Household income									
\$10,000 or less	25.4	32.7	26.2	43.3	52.6	54.3	86.1	89.2	90.9
10,001–20,000	23.2	21.6	27.0	45.0	47.2	52.3	84.6	90.4	89.7
20,001–35,000 <sup>2</sup>	21.3	22.2	27.7	48.0	47.8	49.7	85.1	86.8	90.7
35,001–50,000 <sup>2</sup>	33.4	37.9	38.1	52.3	57.2	59.5	87.3	90.6	88.5
50,001 or more	52.9	58.7	61.2	74.8	73.2	80.7	89.0	93.7	90.9
Parents' highest education level									
Less than high school diploma	17.3	17.1	16.0	33.1	42.8	42.4	85.5	79.9	92.5
High school diploma or GED	23.0	23.0	26.3	40.8	43.2	51.1	84.8	89.0	89.2
Some college/vocational/technical	31.0	35.9	35.6	56.3	61.1	63.3	87.7	91.1	90.2
Bachelor's degree	41.5	41.1	51.7	67.2	64.1	70.7	88.1	92.5	91.6
Graduate/professional school	53.0	61.9	60.8	72.0	73.3	77.9	87.0	94.3	89.8
Family structure									
Two biological or adoptive parents	—	34.4	38.6	—	55.1	61.3	—	89.1	88.8
One biological or adoptive parent	—	33.8	36.9	—	57.2	63.0	—	92.1	94.0
One biological and one step parent	—	32.7	23.1	—	49.5	46.9	—	87.3	89.4
Other relatives	—	34.8	20.8	—	52.2	61.3	—	92.6	88.0

—Not available.

<sup>1</sup> Center-based programs include nursery, prekindergarten, and Head Start programs.

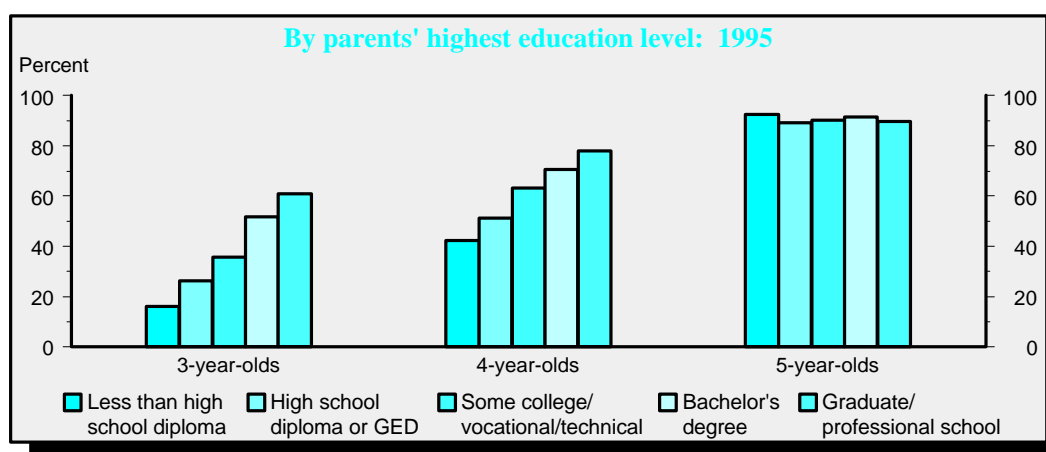
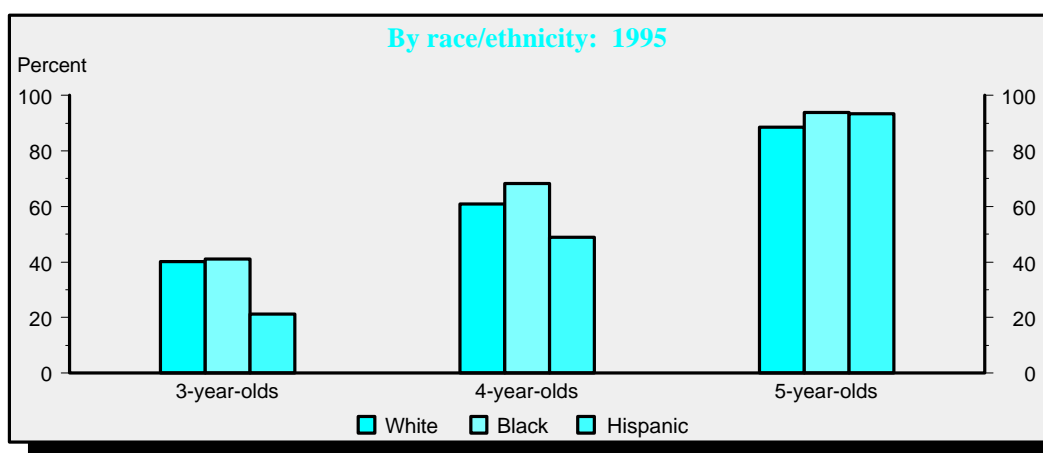
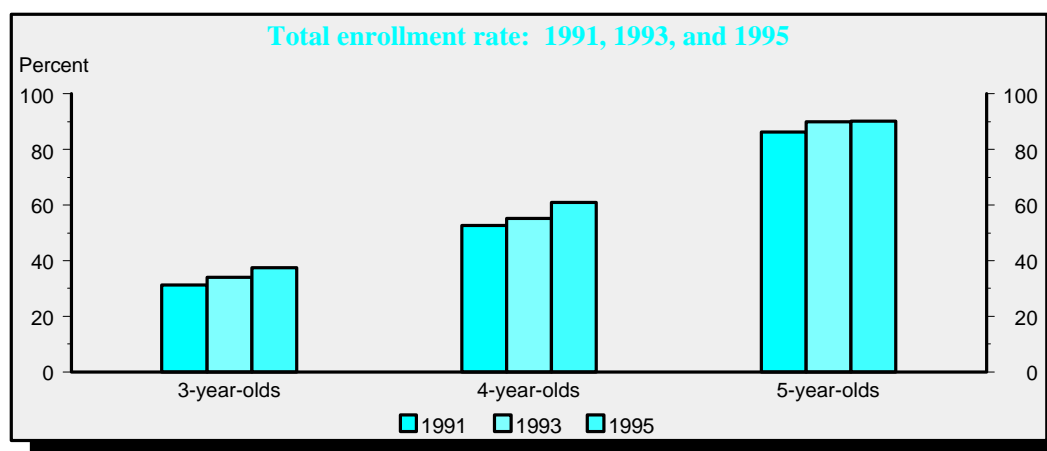
<sup>2</sup> The middle two income ranges in 1991 were \$20,001–30,000 and \$30,001–50,000, respectively.

NOTE: Included in the total but not shown separately are children

from other racial/ethnic groups and types of family structures. This analysis includes children aged 3–5 who were not enrolled in first grade.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1991 (Early Childhood Education File), 1993 (School Readiness File), and 1995 (Early Childhood Program Participation File).

## Percentage of 3-, 4-, and 5-year-olds enrolled in center-based programs\* and kindergarten

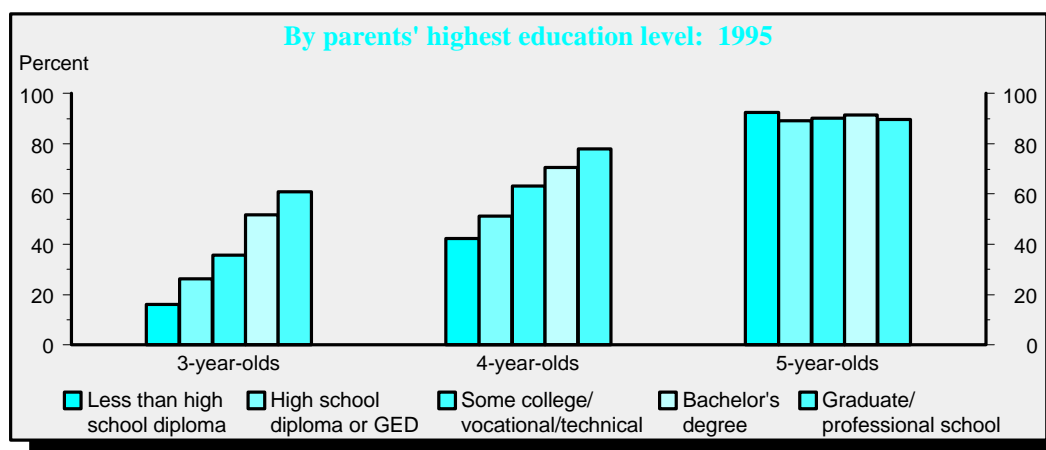
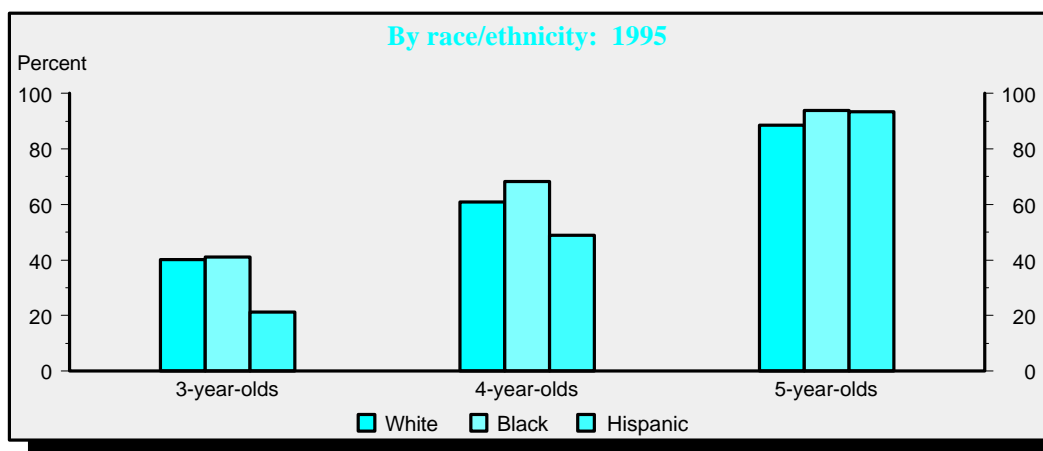
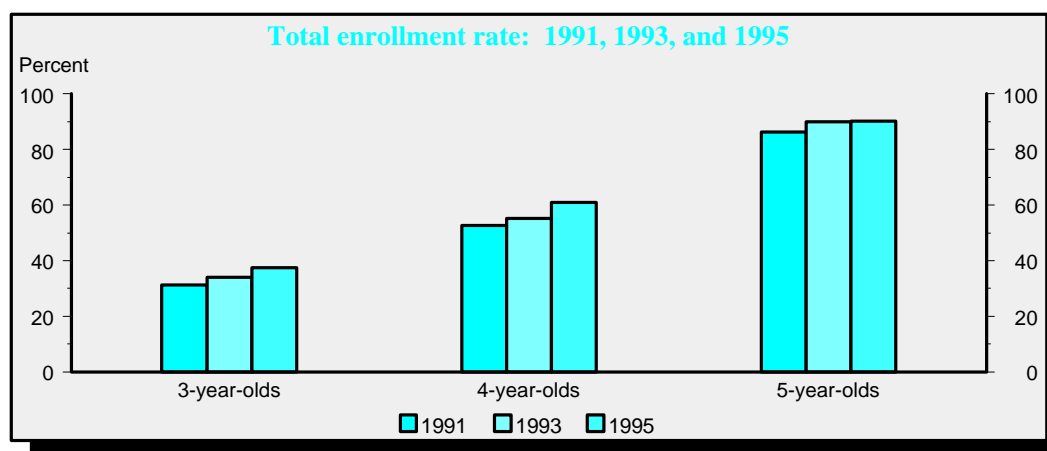


\* Center-based programs include nursery, prekindergarten, and Head Start programs.

NOTE: Included in the total but not shown separately are children from other racial/ethnic groups. This analysis includes children aged 3-5 who were not enrolled in first grade.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1991 (Early Childhood Education File), 1993 (School Readiness File), and 1995 (Early Childhood Program Participation File).

## Percentage of 3-, 4-, and 5-year-olds enrolled in center-based programs\* and kindergarten



\* Center-based programs include nursery, prekindergarten, and Head Start programs.

NOTE: Included in the total but not shown separately are children from other racial/ethnic groups. This analysis includes children aged 3-5 who were not enrolled in first grade.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1991 (Early Childhood Education File), 1993 (School Readiness File), and 1995 (Early Childhood Program Participation File).

**Table S1-1 Standard errors for table 1-1**

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	Total	Center-based programs	Kinder-garten	Total	Center-based programs	Kinder-garten	Total	Center-based programs	Kinder-garten
<b>Total</b>	<b>1.5</b>	<b>1.5</b>	<b>0.2</b>	<b>1.5</b>	<b>1.5</b>	<b>0.3</b>	<b>0.8</b>	<b>1.0</b>	<b>1.3</b>
Sex									
Male	2.3	2.3	0.2	1.6	1.6	0.5	1.2	1.4	1.8
Female	1.9	2.0	0.3	2.3	2.2	0.4	1.1	1.4	1.5
Race/ethnicity									
White	2.3	2.3	0.2	2.0	2.0	0.3	1.0	1.3	1.6
Black	4.2	4.2	0.7	4.3	4.1	0.9	2.4	2.5	3.5
Hispanic	2.5	2.6	0.8	2.9	3.1	1.5	1.7	2.3	2.5
Household income									
\$10,000 or less	3.8	3.7	0.4	4.0	4.0	0.4	2.8	2.4	3.5
10,001–20,000	3.7	3.7	0.0	4.1	4.1	0.8	2.6	2.3	3.4
20,001–35,000	2.8	2.8	0.3	2.8	2.8	0.6	1.5	2.0	2.3
35,001–50,000	3.4	3.4	0.8	3.0	2.9	0.9	2.1	2.3	2.7
50,001 or more	3.0	3.0	0.1	2.3	2.1	0.6	1.6	1.9	2.2
Parents' highest education level									
Less than high school diploma	3.7	3.3	1.3	5.9	5.7	0.6	2.5	3.5	4.3
High school diploma or GED	2.5	2.5	0.4	2.7	2.6	0.5	1.6	1.6	2.1
Some college/vocational/technical	2.6	2.6	0.3	2.8	3.0	0.6	1.7	2.2	2.5
Bachelor's degree	3.6	3.6	0.2	3.6	3.9	0.9	1.6	2.4	2.8
Graduate/professional school	5.0	4.5	0.4	3.1	3.3	0.9	2.9	3.1	3.6
Family structure									
Two biological or adoptive parents	1.8	1.8	0.3	1.7	1.6	0.4	1.0	1.2	1.4
One biological or adoptive parent	3.2	3.2	0.0	3.3	3.2	0.5	1.3	1.8	2.1
One biological and one step parent	8.8	7.8	2.7	6.6	6.6	1.8	4.7	3.4	4.7
Other relatives	7.3	7.3	0.0	10.2	10.2	0.0	7.8	8.5	10.1
Mother's first language									
English	1.8	1.8	0.2	1.7	1.7	0.3	1.0	1.2	1.5
Spanish	2.3	2.2	0.5	4.0	4.4	2.3	2.0	2.8	3.3
Other	6.6	6.6	3.1	7.4	8.0	2.8	3.9	5.6	5.9
Poverty status									
Poor	3.1	3.1	0.3	3.6	3.6	0.4	2.3	2.1	3.1
Non-poor	1.7	1.7	0.2	1.6	0.4	0.4	0.9	1.1	1.3
Mother's employment status									
35 hours or more per week	2.4	2.4	0.4	2.2	2.2	0.6	1.3	1.8	2.1
Less than 35 hours per week	3.4	3.4	0.0	2.5	2.8	0.6	1.9	2.8	3.0
Looking for work	7.2	7.0	1.4	6.6	6.6	0.7	5.0	5.1	7.8
Not in labor force	2.7	2.6	0.3	2.4	2.3	0.4	1.2	1.6	2.0

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1995 (Early Childhood Program Participation File).

**Table S1-2 Standard errors for table 1-2**

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	Total	Center-based programs	Kinder-garten	Total	Center-based programs	Kinder-garten	Total	Center-based programs	Kinder-garten
<b>Total</b>	<b>1.2</b>	<b>1.2</b>	<b>0.2</b>	<b>1.1</b>	<b>1.1</b>	<b>0.4</b>	<b>0.8</b>	<b>0.8</b>	<b>1.0</b>
Sex									
Male	1.7	1.7	0.3	1.8	1.8	0.4	1.1	1.3	1.4
Female	1.9	1.9	0.3	1.5	1.4	0.7	1.4	1.1	1.5
Race/ethnicity									
White	1.3	1.3	0.0	1.3	1.3	0.4	1.1	1.1	1.4
Black	3.4	3.5	1.3	3.5	3.7	1.5	1.8	2.5	3.2
Hispanic	3.2	3.2	0.0	3.3	3.2	0.8	2.2	1.7	2.7
Household income									
\$10,000 or less	3.9	3.8	0.8	2.8	3.1	1.3	2.6	2.1	3.4
10,001–20,000	3.4	3.3	1.0	2.9	2.9	0.8	2.3	1.7	2.7
20,001–35,000	2.0	2.0	0.0	2.3	2.4	0.6	1.6	2.3	2.3
35,001–50,000	2.7	2.7	0.0	2.9	2.8	0.7	1.7	1.9	2.3
50,001 or more	2.1	2.2	0.1	2.0	2.2	0.8	1.1	2.0	2.4
Parents' highest education level									
Less than high school diploma	4.0	4.0	0.0	4.5	4.7	1.3	4.0	3.7	4.5
High school diploma or GED	2.1	2.1	0.6	2.1	2.1	0.5	1.5	1.7	2.0
Some college/vocational/technical	2.1	2.1	0.1	2.0	1.9	0.9	1.8	1.6	2.1
Bachelor's degree	3.3	3.3	0.0	2.9	2.9	1.1	1.8	2.4	3.0
Graduate/professional school	3.2	3.2	0.0	3.1	3.0	1.2	1.3	3.1	3.4
Family structure									
Two biological or adoptive parents	1.4	1.4	*0.0	1.5	1.5	0.4	0.9	1.2	1.5
One biological or adoptive parent	3.0	2.9	0.6	2.4	2.6	1.0	1.7	1.5	2.0
One biological and one step parent	7.0	7.0	0.0	6.2	6.2	0.7	3.9	2.7	4.4
Other relatives	9.5	8.3	6.2	10.9	11.2	1.1	6.5	8.1	8.8
Mother's first language									
English	1.3	1.3	0.2	1.1	1.1	0.4	0.8	1.0	1.1
Spanish	4.4	4.4	0.0	4.3	4.3	1.4	3.0	2.6	3.5
Other	6.1	6.1	0.0	5.9	6.1	1.6	4.6	1.7	5.8
Poverty status									
Poor	3.4	3.3	0.9	2.7	2.9	1.0	2.0	1.7	2.5
Non-poor	1.3	1.3	0.1	1.3	1.3	0.4	0.8	1.0	1.1
Mother's employment status									
35 hours or more per week	2.0	1.9	0.6	2.2	2.2	0.8	1.1	1.4	1.7
Less than 35 hours per week	2.9	2.9	0.0	2.6	2.7	0.7	1.7	2.2	2.4
Looking for work	5.0	5.0	0.0	4.0	4.7	2.1	3.9	4.1	5.7
Not in labor force	2.1	2.1	0.1	2.1	2.1	0.7	1.7	1.7	2.1

\* Standard error less than 0.05 is rounded to 0.0.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1993 (School Readiness File).

**Table S1-3 Standard errors for table 1-3**

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	Total	Center-based programs	Kinder-garten	Total	Center-based programs	Kinder-garten	Total	Center-based programs	Kinder-garten
<b>Total</b>	<b>1.2</b>	<b>1.3</b>	<b>0.1</b>	<b>1.2</b>	<b>1.2</b>	<b>0.4</b>	<b>0.7</b>	<b>0.7</b>	<b>1.1</b>
Sex									
Male	1.5	1.5	0.2	1.5	1.5	0.5	1.1	1.1	1.6
Female	1.7	1.6	0.2	1.6	1.6	0.5	1.0	1.3	1.7
Race/ethnicity									
White	1.3	1.3	0.2	1.3	1.3	0.5	0.9	0.8	1.2
Black	3.7	3.7	0.3	3.8	3.5	1.6	1.6	3.2	3.6
Hispanic	2.6	2.6	0.1	3.7	3.8	0.9	2.4	2.8	3.2
Household income									
\$10,000 or less	3.3	3.3	0.0	3.9	2.9	1.1	2.2	3.8	3.9
10,001–20,000	2.6	2.6	0.4	2.8	2.7	0.9	1.9	1.8	2.4
20,001–30,000	1.8	1.8	0.3	2.5	2.6	1.0	1.9	1.5	2.2
30,001–50,000	1.9	1.9	0.3	1.9	2.0	0.6	1.3	1.2	1.6
50,001 or more	2.4	2.5	0.4	2.2	2.3	0.7	1.4	1.5	2.0
Parents' highest education level									
Less than high school diploma	2.9	2.9	0.3	3.9	3.9	1.2	2.5	2.4	3.5
High school diploma or GED	1.8	1.9	0.4	2.1	2.1	0.7	1.4	1.4	2.0
Some college/vocational/technical	2.2	2.2	0.1	2.1	2.0	0.6	1.5	1.5	1.8
Bachelor's degree	3.1	3.1	0.2	2.4	2.6	1.0	2.0	2.1	2.6
Graduate/professional school	3.4	3.3	0.4	3.5	3.4	0.7	2.3	2.5	2.8
Mother's first language									
English	1.3	1.3	0.1	1.3	1.2	0.4	0.8	0.8	1.2
Spanish	3.1	3.1	0.0	4.1	4.2	1.0	2.8	3.1	4.0
Other	6.6	6.6	1.1	5.7	5.3	1.9	3.5	3.9	5.9
Mother's employment status									
35 hours or more per week	2.1	2.1	0.2	2.2	2.2	0.7	1.1	1.3	1.6
Less than 35 hours per week	2.4	2.4	0.2	3.0	3.0	0.7	1.5	1.8	2.0
Looking for work	5.2	5.1	0.0	5.1	4.8	2.1	4.9	2.5	5.1
Not in labor force	1.8	1.8	0.2	2.1	2.2	0.6	1.5	1.5	2.1

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1991 (Early Childhood Education File).

## Note to Indicator 1: Preprimary enrollment rates

### Age of the child

For this analysis, the age of the child was calculated as of December 31, 1990 for 1991 data; as of December 31, 1992 for 1993 data; and as of December 31, 1994 for 1995 data.

### Enrollment rates

The numerator used to calculate the enrollment rates for this analysis was the number of 3-, 4-, and 5-year-olds who were enrolled in center-based programs or kindergarten as of December 31, 1990, 1992, and 1994. The denominator used was the total number of children aged 3, 4, and 5 as of December 31, 1990, 1992, and 1994. Children who were enrolled in first grade or higher or who were in the “ungraded” category were excluded from this analysis.

### Race/ethnicity

A child’s race/ethnicity was determined by the composite of the National Household Education Survey (NHES) variables “race” and “Hispanic.” If the child’s ethnicity was Hispanic, he or she was classified as Hispanic, regardless of whether his or her race was classified as white, black, or other. Children of “other” race/ethnicities were included in the totals but were not shown separately in this analysis.

### Parents’ highest education level

“Parents’ highest education level” is defined as the highest level of education of the child’s parents or nonparent guardians who resided in the household. It was based on the highest education level of the mother or female guardian and the highest education level of the father or male guardian. If only one parent resided in the household, that parent’s highest education level was used.

### Poverty measure

The poverty measure used in this analysis was developed by combining information about household composition and household income. Household composition is the count of family members based on the relationship among the household members. The number of family members is the number of persons in the immediate family of the

child (e.g., parents, siblings, and the child him/herself). If the child had no parents in the household, the total number of household members was used.

Household income was also used as part of the poverty measure. NHES collects data on household income in increments. Information on the actual household income, which was available for about 7 percent of the population, was also used. Because exact household income was not available in most cases, the measure is an approximation. Households were categorized as “poor” if they met one of the following conditions:

- two family members and the household income was \$5,000 or less;
- two family members and the actual household income was less than \$10,000;
- three family members and the household income was \$10,000 or less;
- three family members and the actual household income was less than \$12,000;
- four or five family members and the household income was \$15,000 or less;
- five family members and the actual household income was less than \$18,000;
- six or seven family members and the household income was \$20,000 or less;
- seven family members and the actual household income was less than \$23,000;
- eight family members and the household income was \$25,000 or less; or
- nine or more family members and the household income was \$30,000 or less.

This information was available in 1993 and 1995 only.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1991 (Early Childhood Education File), 1993 (School Readiness File), and 1995 (Early Childhood Program Participation File).

**Table 1-1 Percentage of 3-, 4-, and 5-year-olds enrolled in center-based programs<sup>1</sup> and kindergarten, by selected student characteristics: 1995**

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	Total	Center-based programs	Kinder-garten	Total	Center-based programs	Kinder-garten	Total	Center-based programs	Kinder-garten
<b>Total</b>	<b>37.4</b>	<b>36.9</b>	<b>0.5</b>	<b>60.9</b>	<b>59.3</b>	<b>1.7</b>	<b>90.3</b>	<b>16.8</b>	<b>73.5</b>
Sex									
Male	35.8	35.6	0.3	59.9	58.3	1.6	88.7	17.7	71.0
Female	38.9	38.3	0.6	61.5	59.8	1.7	92.1	15.8	76.3
Race/ethnicity									
White	40.2	40.0	0.3	60.8	59.5	1.3	88.6	17.8	70.8
Black	41.1	40.2	0.9	68.2	66.2	2.0	93.7	17.2	76.5
Hispanic	21.2	20.0	1.2	49.0	45.5	3.5	93.4	13.3	80.1
Household income									
\$10,000 or less	26.2	25.8	0.4	54.3	53.6	0.7	90.9	16.7	74.2
10,001–20,000	27.0	27.0	0.0	52.3	50.1	2.3	89.7	12.7	77.0
20,001–35,000	27.7	27.3	0.4	49.7	48.5	1.2	90.7	15.4	75.4
35,001–50,000	38.1	36.8	1.3	59.5	56.5	2.9	88.5	16.6	71.9
50,001 or more	61.2	61.1	0.1	80.7	79.2	1.5	90.9	20.2	70.6
Parents' highest education level									
Less than high school diploma	16.0	14.6	1.3	42.4	41.6	0.8	92.5	11.8	80.7
High school diploma or GED	26.3	25.7	0.6	51.1	50.0	1.1	89.2	14.4	74.8
Some college/vocational/technical	35.6	35.4	0.3	63.3	61.4	1.9	90.2	16.2	74.0
Bachelor's degree	51.7	51.6	0.2	70.7	68.4	2.2	91.6	19.0	72.7
Graduate/professional school	60.8	60.4	0.4	77.9	75.6	2.3	89.8	24.4	65.3
Family structure									
Two biological or adoptive parents	38.6	38.0	0.6	61.3	59.5	1.7	88.8	17.6	71.2
One biological or adoptive parent	36.9	36.9	0.0	63.0	61.6	1.4	94.0	15.8	78.2
One biological and one step parent	23.1	20.4	2.7	46.9	43.9	3.0	89.4	12.2	77.2
Other relatives	20.8	20.8	0.0	61.3	61.3	0.0	88.0	20.8	67.3
Mother's first language									
English	39.5	39.1	0.4	62.2	61.0	1.2	89.9	17.3	72.6
Spanish	12.3	11.6	0.7	47.3	42.1	5.3	93.0	10.6	82.4
Other	43.2	40.2	3.0	61.5	56.2	5.3	88.8	20.9	67.9
Poverty status <sup>2</sup>									
Poor	24.2	23.9	0.3	51.7	50.9	0.8	90.1	15.7	74.4
Non-poor	42.2	41.7	0.5	63.9	61.9	1.9	90.3	17.2	73.1
Mother's employment status									
35 hours or more per week	43.4	42.7	0.7	63.3	61.0	2.2	90.3	16.5	73.8
Less than 35 hours per week	39.9	39.9	0.0	70.9	68.9	2.0	91.4	20.0	71.4
Looking for work	34.7	33.3	1.4	56.3	55.3	1.0	86.0	16.6	69.4
Not in labor force	30.8	30.4	0.4	53.6	52.5	1.1	90.0	15.6	74.4

<sup>1</sup> Center-based programs include nursery, prekindergarten, and Head Start programs.

<sup>2</sup> The poverty measure presented in this analysis was developed by combining information about household composition and household income. See the supplemental note to this indicator for further discussion.

NOTE: Included in the total but not shown separately are children from other racial/ethnic groups and types of family structures. This analysis includes children aged 3–5 who were not enrolled in first grade. Age is as of December 31, 1994.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1995 (Early Childhood Program Participation File).



**Table 1-2 Percentage of 3-, 4-, and 5-year-olds enrolled in center-based programs<sup>1</sup> and kindergarten, by selected student characteristics: 1993**

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	Total	Center-based programs	Kindergarten	Total	Center-based programs	Kindergarten	Total	Center-based programs	Kindergarten
<b>Total</b>	<b>34.1</b>	<b>33.8</b>	<b>0.3</b>	<b>55.3</b>	<b>52.8</b>	<b>2.5</b>	<b>90.0</b>	<b>15.8</b>	<b>74.1</b>
Sex									
Male	32.3	32.0	0.3	53.6	52.1	1.5	89.9	17.4	72.5
Female	36.0	35.6	0.4	57.1	53.6	3.5	90.0	14.1	75.9
Race/ethnicity									
White	33.7	33.7	0.0	53.7	51.7	2.0	88.9	18.0	70.9
Black	41.9	39.6	2.3	62.9	58.5	4.5	93.2	12.4	80.8
Hispanic	27.2	27.2	0.0	48.9	46.8	2.1	91.4	12.0	79.4
Household income									
\$10,000 or less	32.7	31.9	0.8	52.6	49.6	3.0	89.2	12.8	76.5
10,001–20,000	21.6	20.7	1.0	47.2	45.2	2.0	90.4	11.4	79.0
20,001–35,000	22.2	22.2	0.0	47.8	46.1	1.7	86.8	17.3	69.5
35,001–50,000	37.9	37.9	0.0	57.2	54.8	2.4	90.6	16.4	74.2
50,001 or more	58.7	58.6	0.1	73.2	70.0	3.2	93.7	20.4	73.3
Parents' highest education level									
Less than high school diploma	17.1	17.1	0.0	42.8	40.2	2.6	79.9	14.7	65.2
High school diploma or GED	23.0	22.1	0.9	43.2	41.6	1.7	89.0	14.7	74.4
Some college/vocational/technical	35.9	35.9	0.1	61.1	58.2	2.9	91.1	12.5	78.6
Bachelor's degree	41.1	41.1	0.0	64.1	60.9	3.1	92.5	19.4	73.1
Graduate/professional school	61.9	61.9	0.0	73.3	70.6	2.7	94.3	24.8	69.5
Family structure									
Two biological or adoptive parents	34.4	34.4	0.0	55.1	52.8	2.3	89.1	16.4	72.7
One biological or adoptive parent	33.8	33.0	0.8	57.2	53.9	3.3	92.1	13.6	78.6
One biological and one step parent	32.7	32.7	0.0	49.5	48.6	0.9	87.3	13.5	73.8
Other relatives	34.8	28.7	6.1	52.2	51.1	1.1	92.6	27.4	65.2
Mother's first language									
English	35.1	34.7	0.4	55.5	53.2	2.3	89.9	16.5	73.5
Spanish	22.9	22.9	0.0	49.0	45.9	3.1	90.4	13.7	76.8
Other	35.8	35.8	0.0	66.8	63.7	3.1	89.4	2.4	86.9
Poverty status <sup>2</sup>									
Poor	28.8	27.6	1.3	49.4	46.9	2.5	88.3	11.9	76.5
Non-poor	35.6	35.5	0.1	57.3	54.9	2.4	90.6	17.3	73.3
Mother's employment status									
35 hours or more per week	39.2	38.2	0.9	58.3	55.8	2.5	93.6	16.0	77.6
Less than 35 hours per week	37.7	37.7	0.0	62.4	60.6	1.8	88.3	16.3	72.0
Looking for work	28.8	28.8	0.0	56.0	50.5	5.4	85.9	15.0	70.9
Not in labor force	29.3	29.2	0.1	49.7	47.6	2.1	88.0	15.3	72.7

<sup>1</sup> Center-based programs include nursery, prekindergarten, and Head Start programs.

<sup>2</sup> The poverty measure presented in this analysis was developed by combining information about household composition and household income. See the supplemental note to this indicator for further discussion.

<sup>3</sup> Percentages less than 0.05 are rounded to 0.0.

NOTE: Included in the total but not shown separately are children from other racial/ethnic groups and types of family structures. This analysis includes children aged 3–5 who were not enrolled in first grade. Age is as of December 31, 1992.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1993 (School Readiness File).

**Table 1-3 Percentage of 3-, 4-, and 5-year-olds enrolled in center-based programs\* and kindergarten, by selected student characteristics: 1991**

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	Total	Center-based programs	Kindergarten	Total	Center-based programs	Kindergarten	Total	Center-based programs	Kindergarten
<b>Total</b>	<b>31.4</b>	<b>31.0</b>	<b>0.4</b>	<b>52.7</b>	<b>49.3</b>	<b>3.4</b>	<b>86.4</b>	<b>14.8</b>	<b>71.6</b>
Sex									
Male	31.5	30.9	0.6	52.8	49.2	3.6	85.6	16.1	69.5
Female	31.4	31.1	0.3	52.5	49.4	3.1	87.3	13.6	73.8
Race/ethnicity									
White	33.4	32.9	0.5	52.4	49.4	3.0	85.7	15.4	70.3
Black	31.6	31.3	0.3	57.4	50.8	6.6	92.3	16.7	75.6
Hispanic	19.8	19.7	0.1	47.5	45.0	2.5	85.3	11.3	74.0
Household income									
\$10,000 or less	25.4	25.4	0.0	43.3	40.0	3.2	86.1	18.2	67.9
10,001–20,000	23.2	22.5	0.7	45.0	42.1	2.9	84.6	13.0	71.6
20,001–30,000	21.3	20.9	0.3	48.0	43.2	4.8	85.1	13.1	71.9
30,001–50,000	33.4	32.9	0.5	52.3	49.1	3.3	87.3	15.1	72.2
50,001 or more	52.9	52.3	0.6	74.8	72.0	2.8	89.0	14.8	74.2
Parents' highest education level									
Less than high school diploma	17.3	17.0	0.3	33.1	29.6	3.5	85.5	8.9	76.5
High school diploma or GED	23.0	22.3	0.8	40.8	37.9	2.9	84.8	15.0	69.8
Some college/vocational/technical	31.0	30.9	0.1	56.3	52.6	3.7	87.7	15.4	72.4
Bachelor's degree	41.5	41.3	0.3	67.2	63.2	4.0	88.1	17.0	71.1
Graduate/professional school	53.0	52.5	0.4	72.0	70.0	2.0	87.0	17.4	69.6
Mother's first language									
English	32.3	32.0	0.3	53.2	50.0	3.2	86.5	15.7	70.7
Spanish	18.9	18.9	0.0	45.0	42.8	2.2	88.6	8.7	79.9
Other	37.1	36.0	1.1	50.0	45.2	4.8	84.1	11.5	72.7
Mother's employment status									
35 hours or more per week	30.8	30.6	0.3	53.4	49.5	3.9	87.7	14.0	73.7
Less than 35 hours per week	38.3	37.8	0.4	57.3	55.1	2.3	88.9	17.1	71.8
Looking for work	26.0	26.0	0.0	46.4	42.3	4.1	79.5	9.5	70.0
Not in labor force	29.1	28.8	0.3	49.1	46.3	2.8	85.2	15.7	69.6

\* Center-based programs include nursery, prekindergarten, and Head Start programs.

NOTE: Included in the total but not shown separately are children from other racial/ethnic groups and types of family structures. This analysis includes children aged 3–5 who were not enrolled in first grade. Age is as of December 31, 1990.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1991 (Early Childhood Education File).

**Table 1 Standard errors for the text table in *Indicator 1***

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	1991	1993	1995	1991	1993	1995	1991	1993	1995
<b>Total</b>	<b>1.2</b>	<b>1.2</b>	<b>1.5</b>	<b>1.2</b>	<b>1.1</b>	<b>1.5</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>
Race/ethnicity									
White	1.3	1.3	2.3	1.3	1.3	2.0	0.9	1.1	1.0
Black	3.7	3.4	4.2	3.8	3.5	4.3	1.6	1.8	2.4
Hispanic	2.6	3.2	2.5	3.7	3.3	2.9	2.4	2.2	1.7
Household income									
\$10,000 or less	3.3	3.9	3.8	3.9	2.8	4.0	2.2	2.6	2.8
10,001–20,000	2.6	3.4	3.7	2.8	2.9	4.1	1.9	2.3	2.6
20,001–35,000	1.8	2.0	2.8	2.5	2.3	2.8	1.9	1.6	1.5
35,001–50,000	1.9	2.7	3.4	1.9	2.9	3.0	1.3	1.7	2.1
50,001 or more	2.4	2.1	3.0	2.2	2.0	2.3	1.4	1.1	1.6
Parents' highest education level									
Less than high school diploma	2.9	4.0	3.7	3.9	4.5	5.9	2.5	4.0	2.5
High school diploma or GED	1.8	2.1	2.5	2.1	2.1	2.7	1.4	1.5	1.6
Some college/vocational/technical	2.2	2.1	2.6	2.1	2.0	2.8	1.5	1.8	1.7
Bachelor's degree	3.1	3.3	3.6	2.4	2.9	3.6	2.0	1.8	1.6
Graduate/professional school	3.4	3.2	5.0	3.5	3.1	3.1	2.3	1.3	2.9
Family structure									
Two biological or adoptive parents	—	1.4	1.8	—	1.5	1.7	—	0.9	1.0
One biological or adoptive parent	—	3.0	3.2	—	2.4	3.3	—	1.7	1.3
One biological and one step parent	—	7.0	8.8	—	6.2	6.6	—	3.9	4.7
Other relatives	—	9.5	7.3	—	10.9	10.2	—	6.5	7.8

— Not available.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1991 (Early Childhood Education File), 1993 (School Readiness File), and 1995 (Early Childhood Program Participation File).

**Percentage of 3-, 4-, and 5-year-olds enrolled in center-based programs<sup>1</sup> and kindergarten, by selected student characteristics: 1991, 1993, and 1995**

Student characteristics	3-year-olds			4-year-olds			5-year-olds		
	1991	1993	1995	1991	1993	1995	1991	1993	1995
<b>Total</b>	<b>31.4</b>	<b>34.1</b>	<b>37.4</b>	<b>52.7</b>	<b>55.3</b>	<b>60.9</b>	<b>86.4</b>	<b>90.0</b>	<b>90.3</b>
Race/ethnicity									
White	33.4	33.7	40.2	52.4	53.7	60.8	85.7	88.9	88.6
Black	31.6	41.9	41.1	57.4	62.9	68.2	92.3	93.2	93.7
Hispanic	19.8	27.2	21.2	47.5	48.9	49.0	85.3	91.4	93.4
Household income									
\$10,000 or less	25.4	32.7	26.2	43.3	52.6	54.3	86.1	89.2	90.9
10,001–20,000	23.2	21.6	27.0	45.0	47.2	52.3	84.6	90.4	89.7
20,001–35,000 <sup>2</sup>	21.3	22.2	27.7	48.0	47.8	49.7	85.1	86.8	90.7
35,001–50,000 <sup>2</sup>	33.4	37.9	38.1	52.3	57.2	59.5	87.3	90.6	88.5
50,001 or more	52.9	58.7	61.2	74.8	73.2	80.7	89.0	93.7	90.9
Parents' highest education level									
Less than high school diploma	17.3	17.1	16.0	33.1	42.8	42.4	85.5	79.9	92.5
High school diploma or GED	23.0	23.0	26.3	40.8	43.2	51.1	84.8	89.0	89.2
Some college/vocational/technical	31.0	35.9	35.6	56.3	61.1	63.3	87.7	91.1	90.2
Bachelor's degree	41.5	41.1	51.7	67.2	64.1	70.7	88.1	92.5	91.6
Graduate/professional school	53.0	61.9	60.8	72.0	73.3	77.9	87.0	94.3	89.8
Family structure									
Two biological or adoptive parents	—	34.4	38.6	—	55.1	61.3	—	89.1	88.8
One biological or adoptive parent	—	33.8	36.9	—	57.2	63.0	—	92.1	94.0
One biological and one step parent	—	32.7	23.1	—	49.5	46.9	—	87.3	89.4
Other relatives	—	34.8	20.8	—	52.2	61.3	—	92.6	88.0

—Not available.

<sup>1</sup> Center-based programs include nursery, prekindergarten, and Head Start programs.

<sup>2</sup> The middle two income ranges in 1991 were \$20,001–30,000 and \$30,001–50,000, respectively.

NOTE: Included in the total but not shown separately are children from other racial/ethnic groups and types of family structures.

This analysis includes children aged 3–5 who were not enrolled in first grade.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey (NHES), 1991 (Early Childhood Education File), 1993 (School Readiness File), and 1995 (Early Childhood Program Participation File).